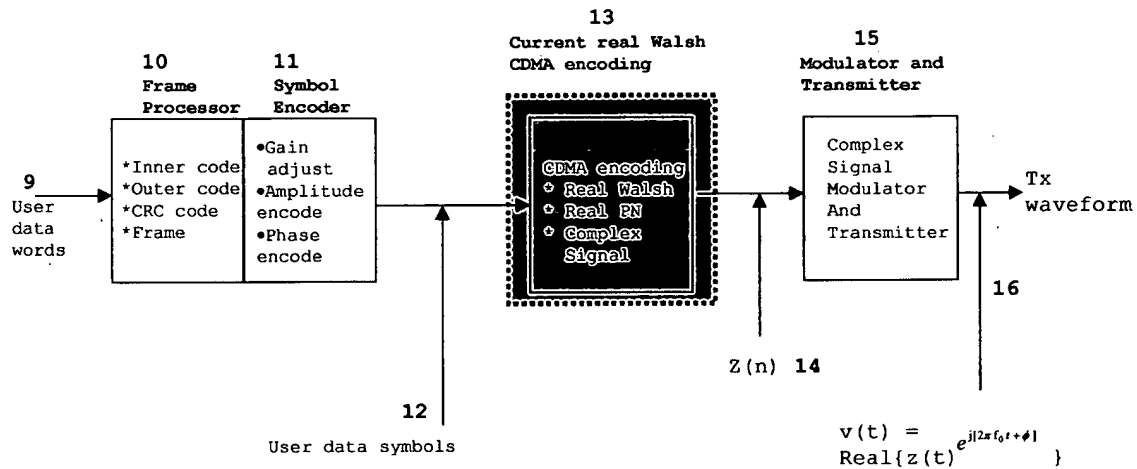


DRAWINGS AND PERFORMANCE DATA

FIG. 1 CDMA Transmitter Block Diagram



12
User data symbols
= {Z(u)} = R(u_R) + jI(u_I)
For complex data symbols u = u_R = u_I •
For real data symbols u = index for
counting the user pairs (u_R, u_I)

$$v(t) = \text{Real}\{z(t) e^{j2\pi f_0 t + \phi}\}$$

FIG. 2 Real Walsh CDMA Encoding

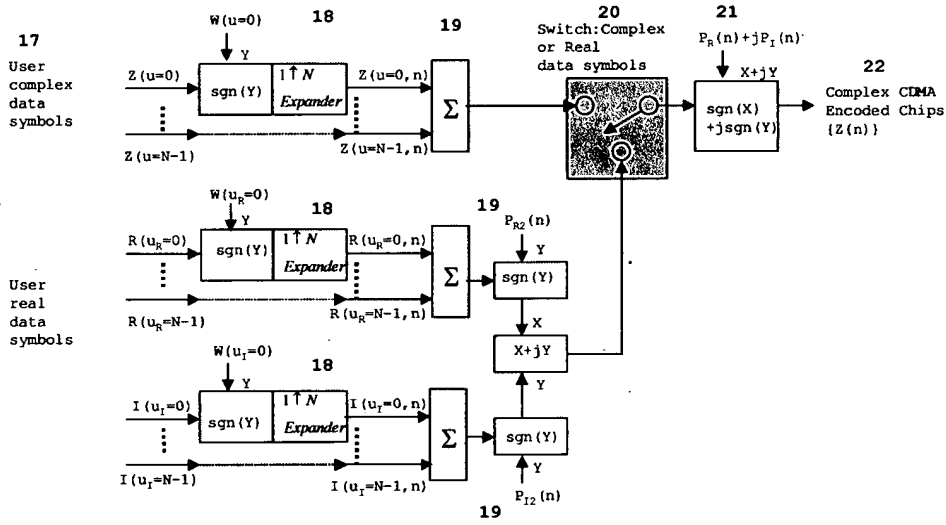


FIG. 3 CDMA Receiver Block Diagram

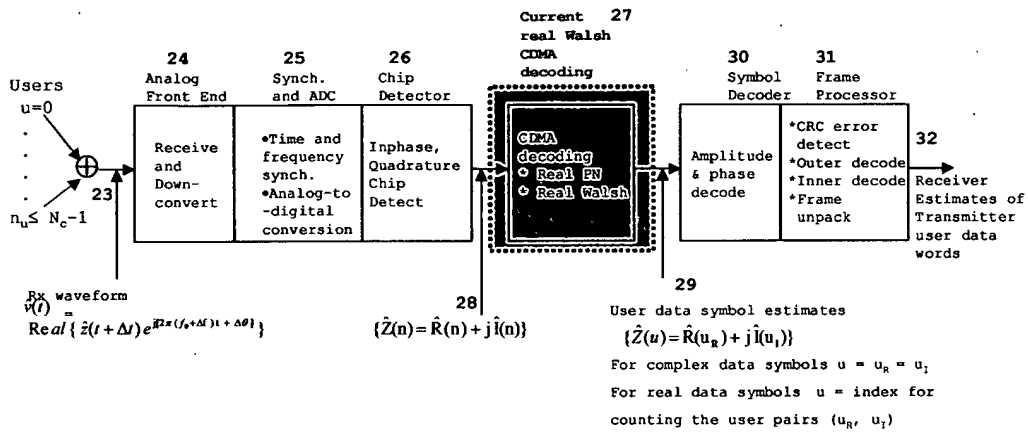


FIG. 4 Real Walsh CDMA Decoding

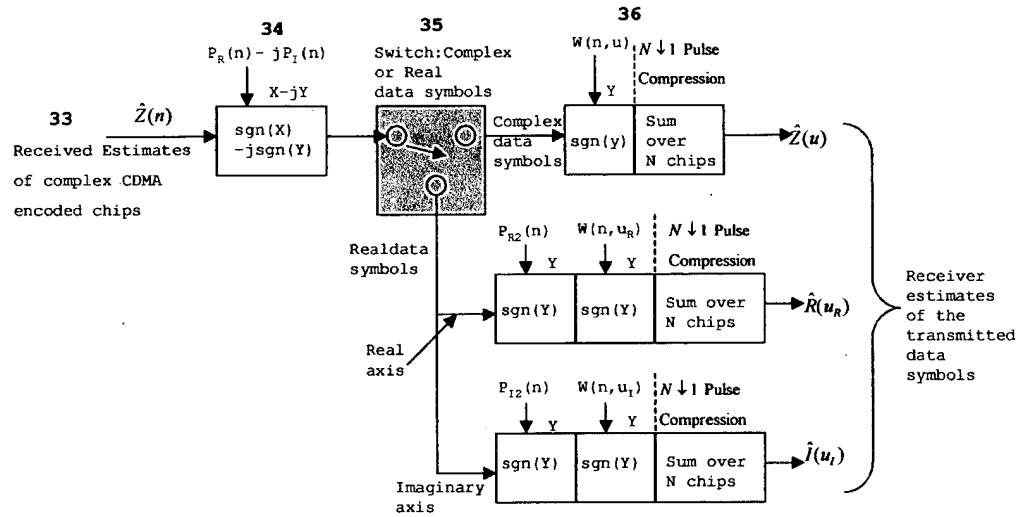


FIG. 5 Correlation of Fourier Codes with DFT Codes for N=32

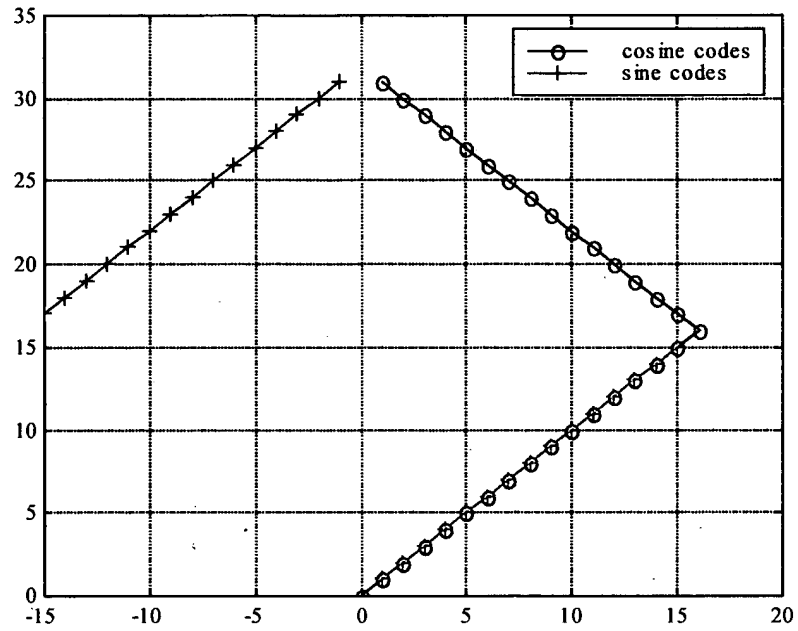


FIG. 6 Complex Walsh CDMA Encoding

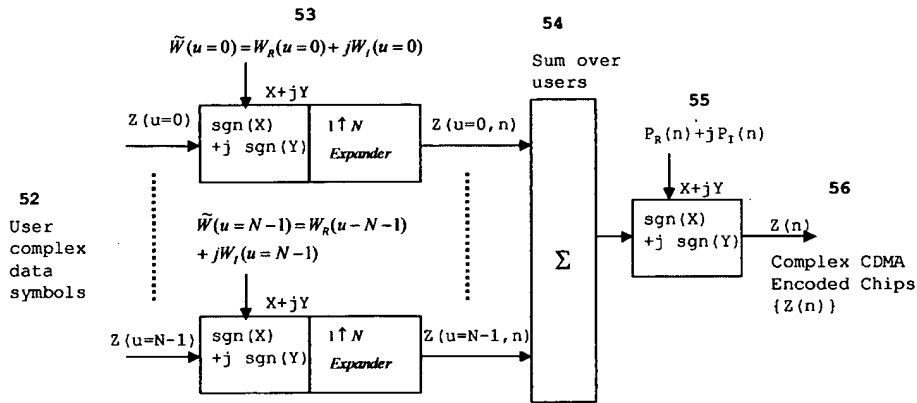


FIG. 7 Complex Walsh CDMA Decoding

